

Figure 1A

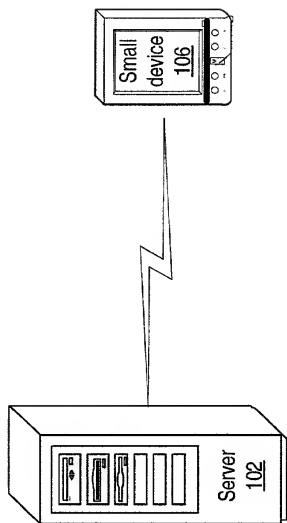


Figure 1B

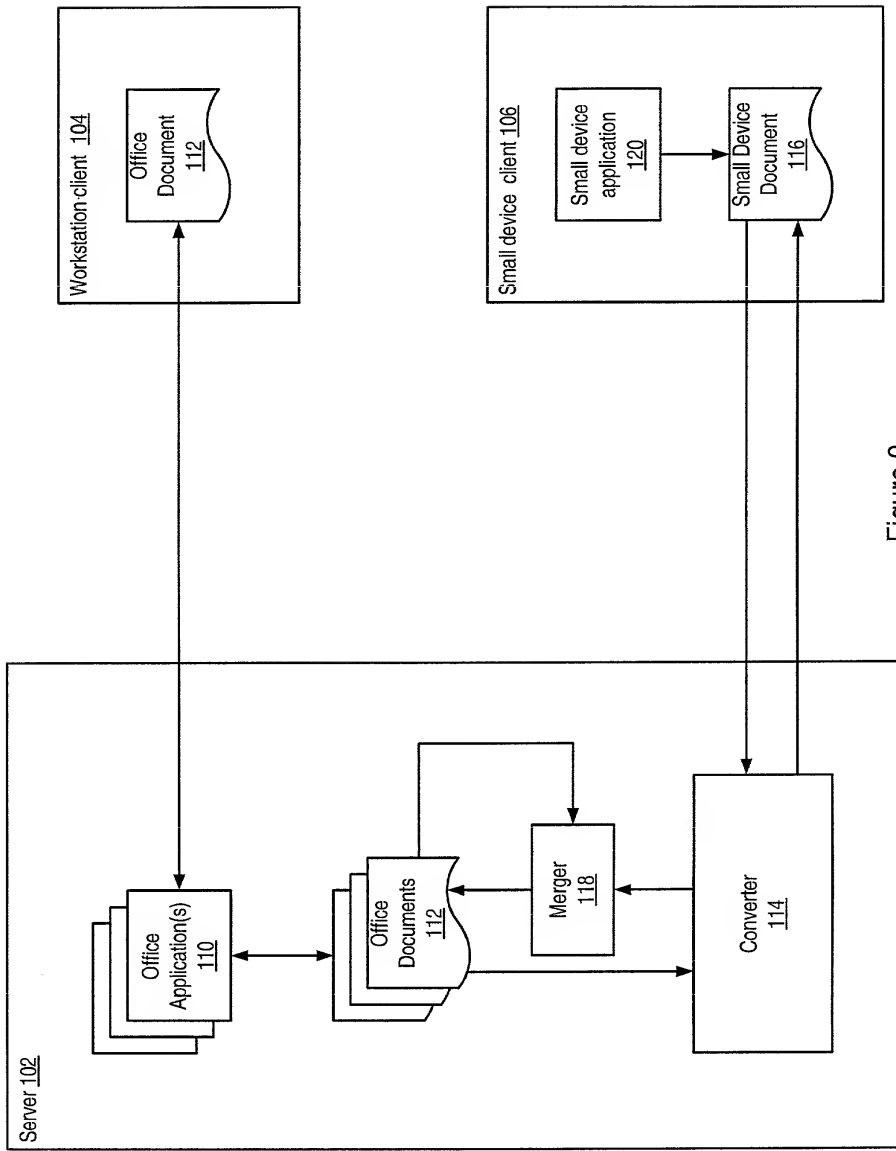


Figure 2

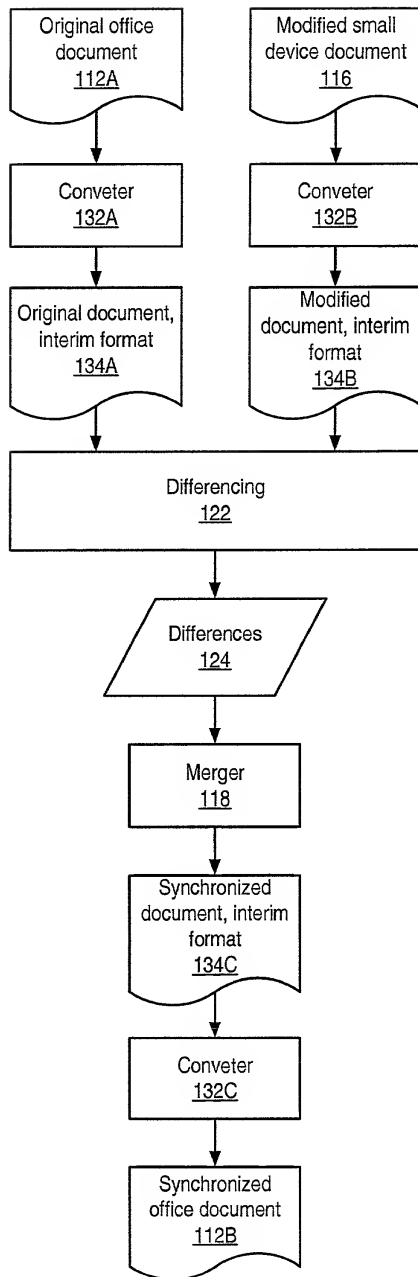


Figure 3A

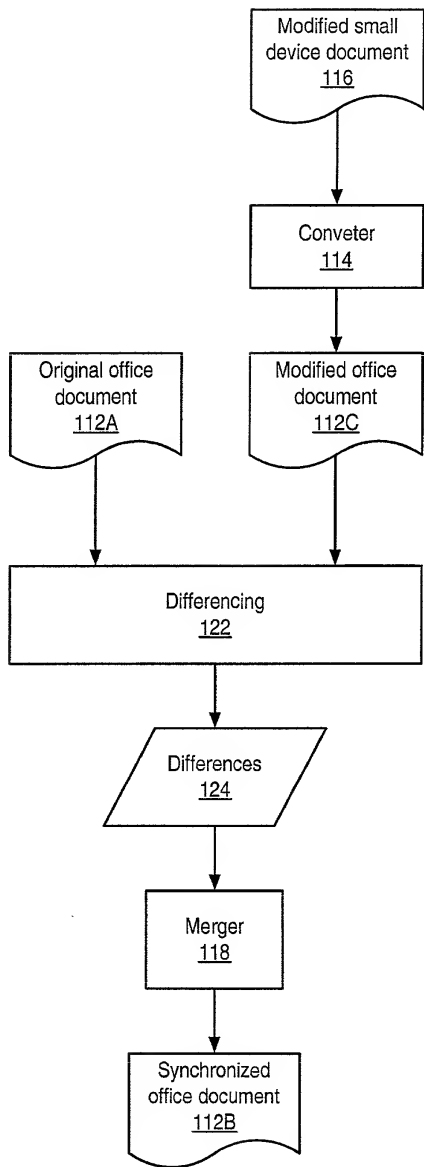


Figure 3B

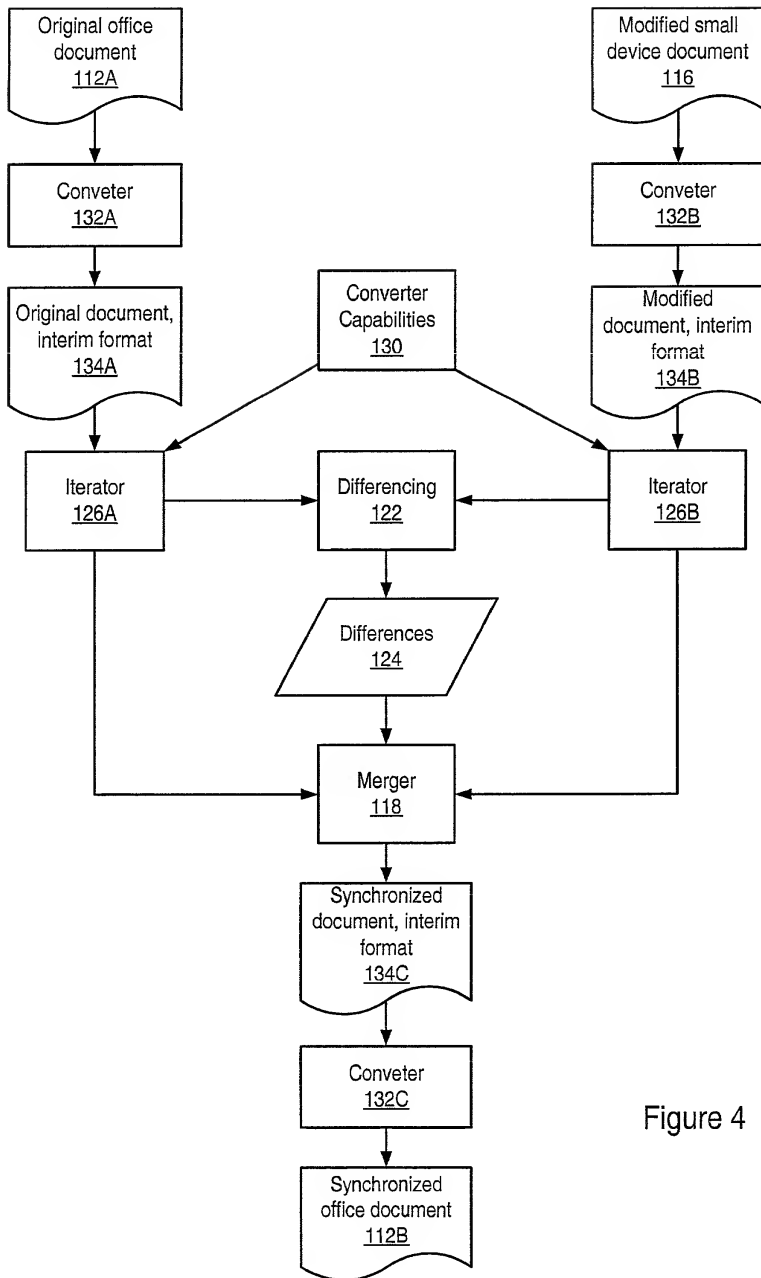


Figure 4

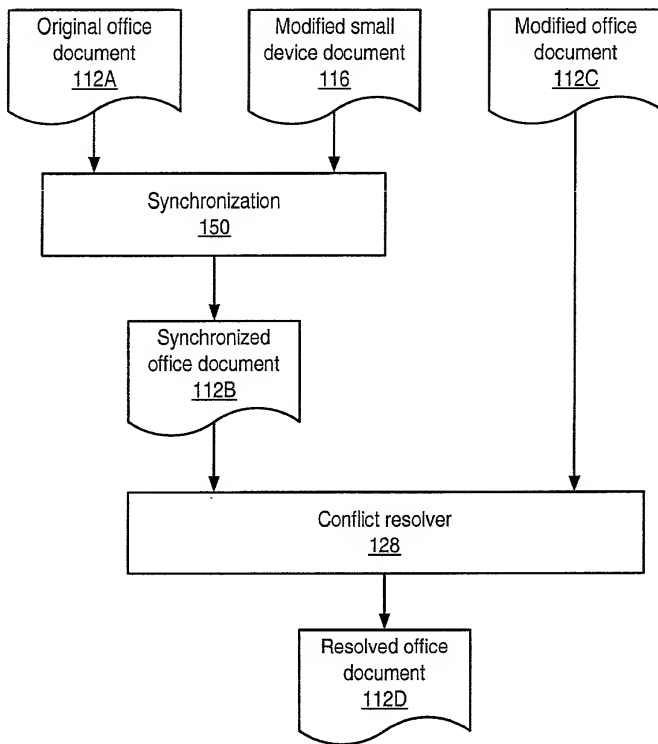


Figure 5

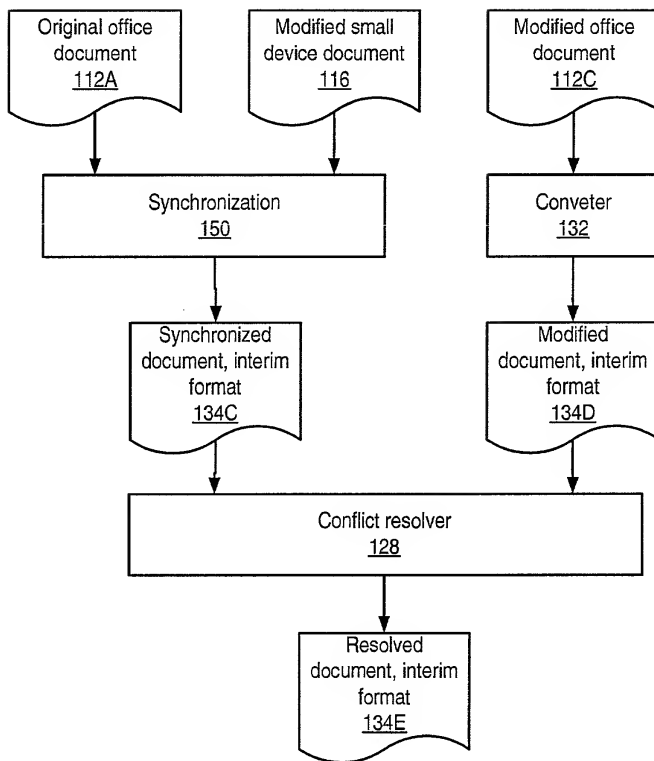


Figure 6


```
graph LR; SD[Small device 106] --> SD_D[Small Device Document 116]; subgraph Framework_220 [Framework 220]; Converter_114[Converter 114]; end; subgraph Converter_plugin_210 [Converter plugin 210]; Generate[Generate small device document 216]; end; Converter_114 --> Generate; Generate --> Converter_114; OD[Office Document 112] --> Converter_114; Converter_114 --> SD_D;
```

The diagram illustrates the system architecture. It features a central **Framework 220** containing a **Converter 114**. To the left of the framework is the **Small device 106**, which contains a **Small Device Document 116**. To the right of the framework is the **Office Server 102**, which contains an **Office Document 112**. Below the framework is a **Converter plugin 210**, which contains a **Generate small device document 216** process. Arrows indicate the flow of data: from the **Office Document 112** to the **Converter 114**, from the **Converter 114** to the **Small Device Document 116**, and a bidirectional flow between the **Converter 114** and the **Generate small device document 216** process within the **Converter plugin 210**.

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```
graph LR
    subgraph SD [Small device 106]
        SDoc[Small Device Document 116]
    end
    subgraph Framework [Framework 220]
        direction LR
        C[Converter 114] --> D[Differencing 122]
        D --> M[Merger 118]
    end
    subgraph CP [Converter plugin 210]
        G[Generate office document 218]
    end
    subgraph DP [Diff plugin 214]
        D
    end
    subgraph MP [Merger plugin 212]
        M
    end
    SDoc --> C
    C <--> G
    G --> C
    C --> D
    D <--> DP
    DP --> D
    D --> M
    M <--> MP
    MP --> M
    M --> SOD[Synchronized office document 112B]
    OOD[Original office document 112A] --> D
    OOD --> M
```

The flowchart illustrates the document synchronization process. It begins with a **Small device 106** containing a **Small Device Document 116**. This document is processed by a **Converter 114** within a **Framework 220**. The **Converter 114** interacts with a **Generate office document 218** component, which is part of a **Converter plugin 210**. The output of the **Converter 114** is then passed to a **Differencing 122** component. The **Differencing 122** component interacts with a **Diff plugin 214**. The output of the **Differencing 122** component is then passed to a **Merger 118** component. The **Merger 118** component interacts with a **Merger plugin 212**. The output of the **Merger 118** component is the **Synchronized office document 112B**. Additionally, an **Original office document 112A** is provided as input to both the **Differencing 122** and **Merger 118** components.

Figure 7B

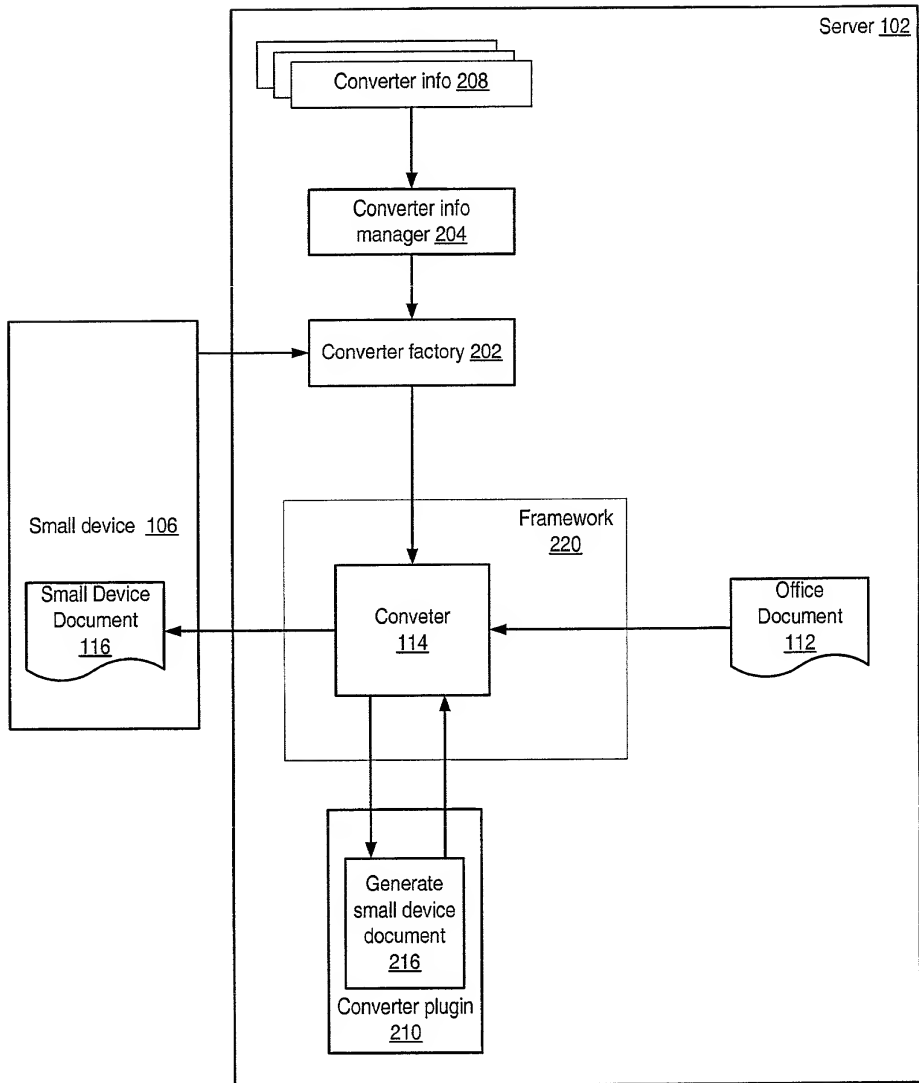


Figure 8A

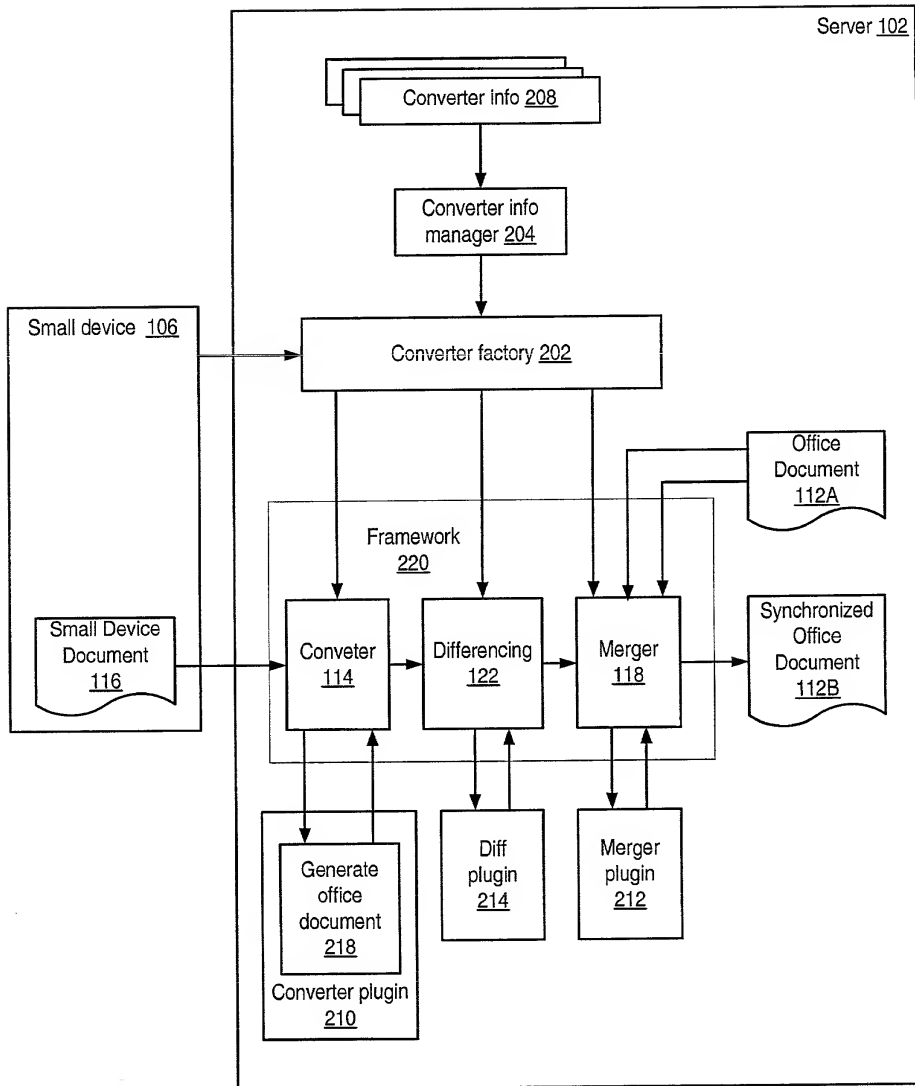


Figure 8B